UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO.   : 7,587,054 B2
APPLICATION NO. : 10/500938
DATED   : September 8, 2009
INVENTOR(S)   : Gary W. Elko, Robert A. Kubli and Jens M. Meyer

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In column 35, lines 25-28, please replace " (V_s, ϕ_s) are spherical coordinate angles of

sensor s in the microphone array; coordinate angles (V_s, ϕ_s); and

$Y_{n'}^{m'}$ (V_s, ϕ_s) is a spherical harmonic function of order n' and degree m' at the spherical" with

-- (ϑ_s, φ_s) are spherical coordinate angles of sensor s in the microphone array;

$Y_{n'}^{m'}\left(\vartheta_s, \varphi_s\right)$ is a spherical harmonic function of order n' and degree m' at the spherical

coordinate angles (ϑ_s, φ_s); and--;

In column 35, line 29, please replace " (V_s, ϕ_s) " with -- (ϑ_s, φ_s) --;

In column 35, line 31, please replace " (V_s, ϕ_s) " with -- (ϑ_s, φ_s) --;

In column 37, line 37, please replace " (V_s, ϕ_s) " with -- (ϑ_s, φ_s) --;

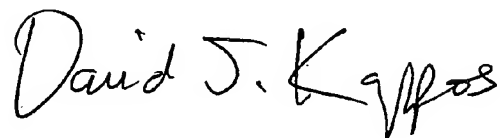In column 37, line 39, please replace " (V_s, ϕ_s) " with -- (ϑ_s, φ_s) --;

In column 37, lines 40 and 41, please replace " (V_s, ϕ_s) " with -- (ϑ_s, φ_s) --;

In column 37, line 42, please replace " (V_s, ϕ_s) " with -- (ϑ_s, φ_s) --;

In column 37, line 44, please replace " (V_s, ϕ_s) " with -- (ϑ_s, φ_s) --;

Signed and Sealed this

Twenty-ninth Day of June, 2010

David J. Kappos
Director of the United States Patent and Trademark Office

In column 39, line 26, please replace " (V_{s}, ϕ_{s}) " with -- $(\vartheta_{s}, \varphi_{s})$ --;

In column 39, line 28, please replace " (V_{s}, ϕ_{s}) " with -- $(\vartheta_{s}, \varphi_{s})$ --;

In column 39, lines 29 and 30, please replace " (V_{s}, ϕ_{s}) " with -- $(\vartheta_{s}, \varphi_{s})$ --;

In column 39, line 31, please replace please replace " (V_{s}, ϕ_{s}) " with -- $(\vartheta_{s}, \varphi_{s})$ --; and

In column 39, line 33, please replace " (V_{s}, ϕ_{s}) " with -- $(\vartheta_{s}, \varphi_{s})$ --.